Test Case ID	1	Test Case Description	Successful Sign-up

Test Case (PASS/FAIL/Not Executed)	PASS

Pre-requisites	Test Data

Nothing	{
	   "user_id": "testuser",
	   "password": "testuser",
	   "email": "test@user.com",
	   "phone": "9876543210",
	   "first_name": "test",
	   "last_name": "user"
	}

Test Scenario	User wants to sign up for the application and provides relevant information in the sign up form.

#	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	User opens the sign up page	Sign up page opens	As expected	Pass
2	User fills sufficient information	Information is filled	As expected	Pass
3	User presses sign up button	User account is created	As expected	PASS

Test Case ID	2	Test Case Description	Unsuccessful Sign-up (Username)

Test Case (PASS/FAIL/Not Executed)	PASS

Pre-requisites	Test Data

Nothing	{
	    "user_id": "testuser",
	    "password": "randompass",
	    "email": "new@email.com",
	    "phone": "7894561230",
	    "first_name": "test",
	    "last_name": "user2"
	}

Test Scenario	User wants to sign up for the application but the entered username is not available.

#	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	User opens the sign up page	Sign up page opens	As expected	Pass
2	User fills sufficient information	Information is filled	As expected	Pass
3	User presses sign up button	Prompts Username not available	As expected	PASS

Test Case ID	3	Test Case Description	Unsuccessful Sign-up (E-mail)

Test Case (PASS/FAIL/Not Executed)	PASS

Pre-requisites	Test Data

Nothing	{
	    "user_id": "newuser",
	    "password": "randompass",
	    "email": "test@user.com",
	    "phone": "7894561230",
	    "first_name": "test",
	    "last_name": "user3"
	}

Test Scenario	User wants to sign up for the application but the entered email address is already registered.

#	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	User opens the sign up page	Sign up page opens	As expected	Pass
2	User fills sufficient information	Information is filled	As expected	Pass
3	User presses sign up button	Prompts Email already in use.	As expected	PASS

Test Case ID	4	Test Case Description	Invalid Sign-up

Test Case (PASS/FAIL/Not Executed)	PASS

Pre-requisites	Test Data

Nothing	{
	    "user_id": "testuser",
	    "phone": "9876543210",
	    "first_name": "test",
	    "last_name": "user"
	}

Test Scenario	User wants to sign up for the application but somehow the data is not completely forwarded to the server.

#	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	User opens the sign up page	Sign up page opens	As expected	Pass
2	User fills information	Information is filled	As expected	Pass
3	User presses sign up button and some crucial required data is missing	Invalid Request Error	As expected	PASS

Test Case ID	5		Test Case Description	Successful Sign In

Test Case (PASS/FAIL/Not Executed)	PASS

Pre-requisites	Test Data

User must have signed up for the application beforehand.	{
	   "user_id":"testuser",
	   "password":"testuser"
	}

Test Scenario	User signed up beforehand and now wants to sign in the application.

#	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	User opens the sign in page	Sign in page opens	As expected	Pass
2	User fills the credentials	Information is filled	As expected	Pass
3	User presses sign in button.	User is signed in to the dashboard/homepage.	As expected	PASS

Test Case ID	6	Test Case Description	Failed Sign In

Test Case (PASS/FAIL/Not Executed)	PASS

Pre-requisites	Test Data

User must have signed up for the application beforehand.	{
	   "user_id":"testuser",
	   "password":"wrongpassword"
	}

Test Scenario	User signed up beforehand and now wants to sign in the application and enters wrong credentials.

#	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	User opens the sign in page	Sign in page opens	As expected	Pass
2	User fills the wrong credentials	Information is filled	As expected	Pass
3	User presses sign in button.	User is shown Invalid credentials alert.	As expected	PASS

Test Case ID	7	Test Case Description	Invalid Sign In

Test Case (PASS/FAIL/Not Executed)	PASS

Pre-requisites	Test Data

Nothing.	{
	   "user_id":"testuser"
	}

Test Scenario	User signs in the application but insufficient data is received at the server.

#	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	User opens the sign in page	Sign in page opens	As expected	Pass
2	User fills the credentials	Information is filled	As expected	Pass
3	User presses the sign in button but some data is not passed to the server somehow.	User is thrown an Invalid request alert.	As expected	PASS

Test Case ID	8	Test Case Description	Get Summary

Test Case (PASS/FAIL/Not Executed)	PASS

Pre-requisites	Test Data
User must have a account and some conversations to get non-null response.	1 GET http://127.0.0.1:5002/summary/607855228584fe6538295579 HTT 2 Content-Type: "application/json" 3 Authorization: Token eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJp

Test Scenario	User has signed in and need to view the whole summary

#	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Users sign in with credentials.	User is signed in with a token	As excepted	Pass
2	User is shown a dashboard with a summary.	```{ "status": "success", "error": null, "data": { "rishu": 200.0, "praddy": -3100.0, "kles": 2900.0 }}```	As expected	PASS

Test Case ID	9	Test Case Description	Signup with Profile Picture

Test Case (PASS/FAIL/Not Executed)	PASS

TEST DATA	Test Result

TEST DATA:
```
POST http://127.0.0.1:5001/signup HTTP/1.1
Content-Type: multipart/form-data; boundary=----WebKitFormBoundar

------WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="image_data"; filename="imag
Content-Type: image/jpg

< ./un4.jpg
------WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="json"
Content-Type: application/json

{
    "user_id":"praddy2",
    "password":"123456789",
    "email":"praddy2@praddy2.com",
    "first_name":"y",
    "last_name":"y",
    "phone":"+123453434"
}
------WebKitFormBoundary7MA4YWxkTrZu0gW--
```

Test Result:
```
{
  "error": null,
  "status": "success",
  "data": {
    "_id": "praddy2",
    "email": "praddy2@praddy2.com",
    "first_name": "y",
    "last_name": "y",
    "phone": "+123453434",
    "created_at": 1618978943.402332,
    "access_token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJpc
3MiOiJhdXRoLXNlcnZlciIsImV4cCI6MTYxOTQxMDk0MyzOTczMjE3LCJic2Vy
X2lkIjoicHJhZGR5MiJ9.Kfv3070RGEuwp8P36bOjpzPh_wdrwD7h-8aVw9s_xZ
lLBIL4VV3Qfq0h2grss3bI4w16qaNtYJsv143Hm9sfJWyt7QStJ1iSntMtfePo8
eU34CCkzDF9NjP-fYCvp-AmFpNhLWy24PHiO7ojENH6BrOAnFOEbgFidyFdiLBn
l6ntKlj7VuiUGVybL1iCl3g7M0-dkGbBknDF5COfxQc40PpO8tqaP1Nov9uavVe
GsCPiVzmiMe6_4sI1k-OGDtKT4YidWoXwgWgWC9MH1nSKj5_ymBJw4vi4doS9Ff
scrHss1bfdqkt1mCnwcjZdV3368h7vbjwKq155LHbwl0×9sQ",
    "token_type": "JWT",
    "expires_in": 432000,
    "image_url": "http://127.0.0.1:5001/user/profile_pic/praddy
2.jpg",
    "email_verified": false
  }
}
```

Test Scenario	User wants to sign up with a profile picture.

Test Case ID	10	Test Case Description	Create Conversations

Test Case (PASS/FAIL/Not Executed)	PASS

TEST DATA	Test Result

```
POST http://127.0.0.1:5002/convo HTTP/1.1
Content-Type: application/json
Authorization: Token eyJ0eXAiOiJKV1QiLCJhbGciO

{
    "title":"Rishu ki allahabad party",
    "participants":["rishu","praddy"],
    "type":"direct"
}
```

```
{
  "status": "success",
  "error": null,
  "data": {
    "_id": "607fad303f73d33b9042db02",
    "title": "Rishu ki allahabad party",
    "creator_id": "kles",
    "created_at": 1618980144.797339,
    "participants": [
      "rishu",
      "praddy",
      "kles"
    ],
    "description": null,
    "last_commit": 1618980144.797339,
    "last_memo": {
      "memo": null,
      "sender_id": null
    }
  }
}
```

Test Scenario	User wants to create a conversation with his/her connections.

Test Case ID	11	Test Case Description	Create Conversations but not a connection

Test Case (PASS/FAIL/Not Executed)	FAIL

TEST DATA	Test Result

```
POST http://127.0.0.1:5002/convo HTTP/1.1
Content-Type: application/json
Authorization: Token eyJ0eXAiOiJKV1QiLCJhbGc

{
    "title":"2 ki convo",
    "participants":["rishu","praddy2"],
    "type":"direct"
}
```

```json
{
    "status": "failure",
    "error": "User not connected to participant"
}
```

Test Scenario	User wants to create a conversation but he has not made connection with some of the participants.

Test Case ID	12	Test Case Description	Create Conversations but not a valid username

Test Case (PASS/FAIL/Not Executed)	FAIL

TEST DATA	Test Result

```
POST http://127.0.0.1:5002/convo HTTP/1.1
Content-Type: application/json
Authorization: Token eyJ0eXAiOiJKV1QiLCJhbGci

{
    "title":"2 ki convo",
    "participants":["yadoo","xyz"],
    "type":"direct"
}
```

```
{
    "status": "failure",
    "error": "Invalid participant id"
}
```

Test Scenario	User wants to create a conversation but he somehow he has provided a wrong username of a participant.

Test Case ID	13	Test Case Description	Verify Email

Test Case (PASS/FAIL/Not Executed)	PASS

Test Data	Test Result
| ```
GET http://127.0.0.1:5001/verify/email HTTP/1.1
Authorization: Token eyJ0eXAiOiJKV1QiLCJhbGciOiJ
``` | ```
{
  "status": "success",
  "error": null,
  "msg": "Verifcation mail sent to rtgjc22@gmail.com"
}
``` |

Test Scenario	User signs up and a verification email is sent to the provided email.

Test Case ID	14	Test Case Description	Verify Email if already verified.

Test Case (PASS/FAIL/Not Executed)	PASS

Test Data	Test Result

GET http://127.0.0.1:5001/verify/email HTTP/1.1
Authorization: Token eyJ0eXAiOiJKV1QiLCJhbGciOiJ
	{
	  "status": "failure",
	  "error": null,
	  "msg": "Email already verified"
	}

Test Scenario	User verifies his/her email again.

Test Case ID	15	Test Case Description	View Connections

Test Case (PASS/FAIL/Not Executed)	PASS

Test Data	Test Result

GET http://127.0.0.1:5002/connections HTTP/1.1
Content-Type: application/json
Authorization: Token eyJ0eXAiOiJKV1QiLCJhbGciOiJ
	{
	  "status": "success",
	  "error": null,
	  "data": [
	    {
	      "_id": "607854958584fe6538295577",
	      "user_id": "kles",
	      "contact_id": "rishu",
	      "alias_name_user": "Rishabh Yadav",
	      "alias_name_contact": "Rishabh Niranjan",
	      "created_at": 1618498709.012894,
	      "is_pending": true,
	      "other_user": {
	        "_id": "rishu",
	        "first_name": "Rishabh",
	        "last_name": "Niranjan",
	        "email": "rishu@rishu.com",
	        "image_url": "http://127.0.0.1:5001/user/profile_shu.jpg",
	        "already_connected": true
	      }
	    },
	    {
	      "_id": "607854b98584fe6538295578",

Test Scenario	User wants to view his/her connections.